SAF-RC-040
300 Area D&D Waste Characterization Sampling - Other Solid
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Tim Lee H4-21 KW 5/12/08
INITIAL/DATE

COMMENTS:

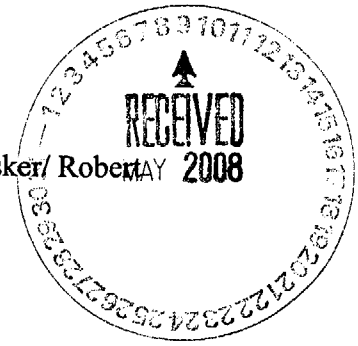
SDG 08I-0662-01 SAF-RC-040

Rad only X Chem only Rad & Chem

X Complete Partial

Sample Location/Waste Site: 3721 – Door Insulation

RECEIVED
MAY 19 2008
EDMC



Report Identification Number: 08I-0662-01
Subcontract Number: S003827A00
Name of Industrial Hygienist: Gwen Whatley / Ilene Strong / William Brasker / Robert Brounstein / Garrett Knutson / Brain Fauver
Laboratory Identification Number: DCHM
SAF#: RC-040-348 /
Sample Receipt Date: 08-MAY-08

Sample Information

Sample Date	Customer Sample Number	Laboratory Sample Number	Method	Analytical Batch Identification	Sample Matrix
05 May 2008	J16VJ8	08I03873	NIOSH 9002	G084700P	BULK

I certify that this electronic image and all hardcopies produced from this image accurately represent the data and are in compliance with the contract specific requirements, both technically and for completeness, other than the conditions detailed above or in the sample data package narrative. Release, by submission through email, the data contained in this electronic image and the computer-readable EDD (as applicable), has been authorized by the laboratory Manager or the Manager's designee.

Name: Peter P. Steen
Title: Chemist
Date: May 09, 2008

Report Identification Number:	08I-0662-01
Subcontract Number:	S003827A00
Name of Industrial Hygienist:	Gwen Whatley / Ilene Strong / William Brasker/ Robert Brounstein / Garrett Knutson / Brain Fauver
Laboratory Identification Number:	DCHM
SAF#:	RC-040-348 /
Sample Receipt Date #:	08-MAY-08

General Set Information: There was one sample in set 08I-0662-01 which was analyzed for asbestos in bulk material. No problems were encountered with the receipt of these samples.

Method Summary: All samples were examined for homogeneity. Non-homogeneous samples were ground to ensure homogeneity. Distinct layers were analyzed separately. The samples were prepared and examined for asbestos fibers utilizing the procedures outlined in NIOSH method 9002 (4th edition). A polarizing light microscope equipped with a 10x and a 16x eyepiece was used for the analysis. The area percentage of asbestos was estimated microscopically by a visual estimation of the fibers with a length-to-width aspect ratio of 3:1 or greater. If present, asbestos identities were confirmed with the appropriate refractive index oils applying dispersion staining techniques.

Sample Preparation: All samples were prepared in accordance with NIOSH method 9002 (4th edition).

Initial and Continuing Calibration Verification Analysis: N/A

Initial and Continuing Calibration Blank Analysis: N/A

Method Blank Analysis: N/A

Dilution(s): N/A.

Laboratory Control Sample and Duplicate Analysis: One Laboratory Control Sample (LCS) was prepared and analyzed with the sample batch. The results were within the control limit of +/- one reporting range.

Replicate Analysis: One sample was replicated with this analysis run.

Flagging Codes: None

Nonconformance/Corrective Action Report (NC/CAR): N/A

Sample Calculation: Sample results are reported by a visual estimation of the area percentage of asbestos. If necessary, a gravimetric ashing procedure may be used to remove certain non-asbestos material from the sample; a percentage calculation is used to correct for the removal of the non-asbestos material.

Miscellaneous Comments:

08I03873: Grayish, fibrous/powdery insulation material.

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960 West Levoy Drive
Salt Lake City, Utah 84123-2547

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FAX: (801) 268-9992

Web Page: www.datachem.com
E-mail: lab@datachem.com

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Customer Sample Number	Laboratory Sample Number	Date Analyzed	Chrysotile % Asbestos		Amosite % Asbestos		Crocidolite % Asbestos	
J16VJ8	08I03873	09 May 2008	ND	U	ND	U	ND	U
Limit of Detection (LOD)			<1		<1		<1	
Required Detection Limit (RDL)								

Customer Sample Number	Laboratory Sample Number	Date Analyzed	Actinolite/Tremolite % Asbestos		Anthophyllite % Asbestos	
J16VJ8	08I03873	09 May 2008	ND	U	ND	U
Limit of Detection (LOD)			<1		<1	
Required Detection Limit (RDL)						

U - Parameter not detected above LOD.
J - Parameter between LOD and RDL.

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SAF: RC-040-348 /
Sample Receipt Date #: 08-MAY-08

Batch ID: G084700P

QC Sample ID	QC Type	Analyte	Units	Result	Parent Result	Target	Percent Rec.	Relative Percent Diff.
QC 100114	Bulk	Amosite	%	ND		ND		
QC 100114	Bulk	Amosite	%	ND		ND		
QC 100114	Bulk	Chrysotile	%	10-<20		10-<20		
QC 100114	Bulk	Chrysotile	%	10-<20	10-<20	10-<20		

MB - Method Blank
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
LD - Laboratory Duplicate

NA - Not Applicable
ND - Parameter not detected above LOD

LCS, LCSD Percent Rec. = (Result / Target) * 100.0
MS, MSD Percent Rec. = ((Result – Parent) / Target) * 100.0

LCS, LCSD Relative Percent Diff. = ((|LCS – LCSD|) / ((LCS + LCSD)/2.0)) * 100.
MS, MSD Relative Percent Diff. = ((|MS – MSD|) / ((MS+ MSD)/2.0)) * 100.
LD Relative Percent Diff. = ((|Parent – LD|) / ((Parent + LD)/2.0)) * 100

Washington Closure Hanford	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		RC-040-348	Page 1 of 1
Collector: Tim Lee	Company Contact: Tim Lee	Telephone No.: 627-8639	Project Coordinator: KESSNER, JH	Price Code 9K; Data Turnaround: ~~7 Days~~ 3 Days RUSH
Project Designation: 300 Area D&D Waste Characterization Sampling - Other Sol	Sampling Location: 3721 - Door Insulation		SAF No.: RC-040	
Ice Chest No.: FedEx Box	Field Logbook No.: EL-1603-2	COA: see below	Method of Shipment: Federal Express	[illegible]
Shipped To: DataChem Laboratories - Salt Lake City	Offsite Property No.		Bill of Lading/Air Bill No.: See OSPC	

POSSIBLE SAMPLE HAZARDS/REMARKS: Asbestos

Special Handling and/or Storage

Preservation	None
Type of Container	G/P
No. of Container(s)	1
Volume	5g

SAMPLE ANALYSIS: Asbestos-BULK-EPA

Sample No.	Matrix *	Sample Date	Sample Time	Asbestos-BULK-EPA
J16VJ8 [illegible]	OTHER SOLID	5-5-08	1330	X

CHAIN OF POSSESSION — Sign/Print Names

Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
T A Lee [signature]	5-5-08 1440	1060 2C	~~5-5-08 1440~~ 5/5/08 1440
1060/2C	5/7/08 0805	[signature] MStankovich	5/7/08 ~~1100~~ 0805
[signature] MStankovich WCH	5/7/08 1100	FedEx	
FedEx	5/8/08 1040	[signature]	05/08/08 1040

SPECIAL INSTRUCTIONS

Laboratory Analysis, Data Management, and Shipping COA - RD4MXX2F00

NOTE: DATE WAS RE-WRITTEN TO CLARIFY AND MAKE MORE LEGIBLE BASED ON QUESTION DURING COC REVIEW. DATE OF CUSTODY TRANSFER IS 5/5/08 AT 1440

Sampler unavailable to remove samples from controlled storage. Shipper removed samples from storage location taking custody of samples for shipment to lab.

Matrix *: S-Soil, SE-Sediment, SO-Solid, SL-Sludge, W-Water, O-Oil, A-Air, DS-Drum Solids, DL-Drum Liquids, T-Tissue, WI-Wipe, L-Liquid, V-Vegetation, X-Other

LABORATORY SECTION	Received By: [signature]	Title: SAMPLE RECEIVING TECH	Date/Time: 05/08/08 1040
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

WCH-EE-011